

CLAIMS

1. A recording method for instructing a drive apparatus having a pseudo-overwrite function to write data on a write-once disc,
5 the recording method comprising the steps of:
 (a) receiving a write request which specifies at least data for a file to be written;
 (b) instructing the drive apparatus to read metadata for managing the file from a location in the write-once disc, so as to obtain the metadata;
10 (c) querying a next writable address indicating a location at which data is to be written next to the drive apparatus, so as to obtain the next writable address;
 (d) updating the metadata to reflect the writing of the data specified by the write request;
15 (e) instructing the drive apparatus to write the data specified by the write request to a location indicated by the next writable address in the write-once disc; and
 (f) instructing the drive apparatus to write at least a part of the updated metadata to the location from which the metadata is read in the
20 step (b) in the write-once disc.
2. A recording method according to claim 1, wherein the steps (e) and (f) are performed using the same write instruction.
- 25 3. A recording method according to claim 1, wherein the step (f) is performed after the step (e) is performed.
4. A recording method according to claim 1, wherein the updated metadata includes a file entry of a directory under which the file is recorded.
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5. A recording method according to claim 1, wherein the updated metadata includes a file entry of the file.

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6. A system controller for instructing a drive apparatus having a pseudo-overwrite function to write data on a write-once disc,
the system controller comprising a controller for controlling the drive apparatus,

5 wherein the controller is configured to perform a process including the steps of:

 (a) receiving a write request which specifies at least data for a file to be written;

 (b) instructing the drive apparatus to read metadata for managing
10 the file from a location in the write-once disc, so as to obtain the metadata;

 (c) querying a next writable address indicating a location at which data is to be written next to the drive apparatus, so as to obtain the next writable address;

 (d) updating the metadata to reflect the writing of the data
15 specified by the write request;

 (e) instructing the drive apparatus to write the data specified by the write request to a location indicated by the next writable address in the write-once disc; and

 (f) instructing the drive apparatus to write at least a part of the
20 updated metadata to the location from which the metadata is read in the step (b) in the write-once disc.

7. A system controller according to claim 6, wherein the controller includes a semiconductor integrated circuit.

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8. A program for use in a system controller for instructing a drive apparatus having a pseudo-overwrite function to write data on a write-once disc,

 wherein the program is configured to perform a process including the steps of:

30 (a) receiving a write request which specifies at least data for a file to be written;

 (b) instructing the drive apparatus to read metadata for managing the file from a location in the write-once disc, so as to obtain the metadata;

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(c) querying a next writable address indicating a location at which data is to be written next to the drive apparatus, so as to obtain the next writable address;

5 (d) updating the metadata to reflect the writing of the data specified by the write request;

(e) instructing the drive apparatus to write the data specified by the write request to a location indicated by the next writable address in the write-once disc; and

10 (f) instructing the drive apparatus to write at least a part of the updated metadata to the location from which the metadata is read in the step (b) in the write-once disc.